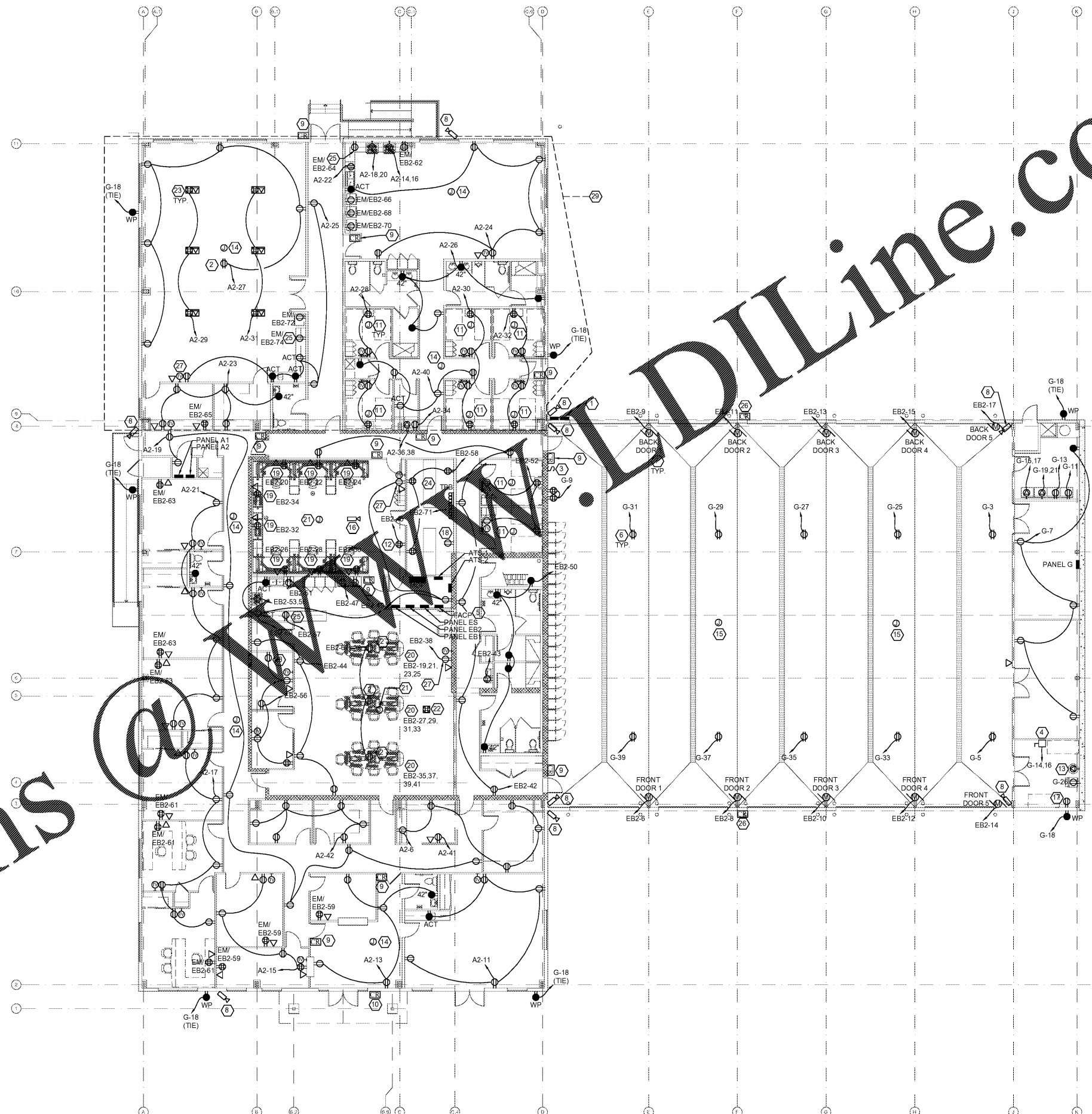


GENERAL NOTES:

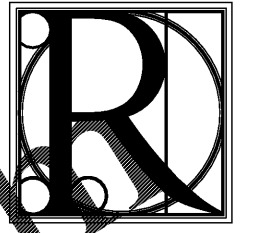
1. EC TO BE RESPONSIBLE FOR JUNCTION BOX AND CONDUIT WITH PULL STRING TO STRUCTURE FOR DATA AND CABLE CONNECTIONS. WIRING AND JACKS BY OTHERS. COORDINATE REQUIREMENTS WITH LOW VOLTAGE CONSULTANT.
2. ALL CONDUIT STUBS AND JUNCTION BOXES FOR FUTURE EQUIPMENT (INCLUDING BUT NOT LIMITED TO SPEAKERS, WIFI BOOSTERS, CARD READERS, DATA CONNECTIONS, SECURITY CAMERAS, AND CABLE CONNECTIONS) TO BE CLEARLY LABELED FOR EASE OF FUTURE CONNECTION. ALL STUB AND CONNECTION BOX LOCATIONS AND MOUNTING HEIGHTS SHALL BE VERIFIED WITH OWNER.
3. ALL ITEMS WITHIN BUNKER ARE ON EMERGENCY POWER. ANY OUTLETS IN NORMAL OPERATION AREAS ARE DENOTED WITH "EM" AND LABELED WITH CIRCUIT.
4. FLOOR WITHIN EOC TO BE RAISED WITH ACCESS PANELS. SEE ARCHITECTURAL DRAWINGS FOR EXACT EXTENTS OF ACCESS FLOOR. ROUTE ALL CONDUITS BENEATH FLOOR WHEREVER POSSIBLE FOR EASE OF ACCESS. ROUTE LOW VOLTAGE CONDUITS AT 90 DEGREES TO LINE VOLTAGE CONDUITS. SEE E-0.1 FOR GROUNDING INFO.
5. CIRCUITS WITH BOTH GFCI AND NORMAL OUTLETS SHALL BE BYPASS WIRED SUCH THAT NORMAL OUTLETS WILL FUNCTION EVEN IF GFCI OUTLET IS TRIPPED.
6. VERIFY LOCATIONS AND CONNECTION REQUIREMENTS FOR ALL KITCHEN EQUIPMENT WITH OWNER BASED ON SPECIFIED EQUIPMENT INCLUDING BUT NOT LIMITED TO OVENS, MICROWAVES, REFRIGERATORS, AND ICE MAKERS.

LEGEND NOTES:

1. LOCATION FOR POWER SHUT OFF PUSH BUTTONS TIED TO SHUNT TRIPS, MOUNTED IN KNOX BOX. SEE RISER FOR DETAILS.
2. FOR PROJECTOR, ALIGN WITH CENTER OF SCREEN. PROVIDE ADDITIONAL CONDUIT WITH PULL STRINGS FOR LOW VOLTAGE WIRE. VERIFY REQUIREMENTS WITH SPECIFIED PROJECTOR BY OWNER, AND CONDUIT STUB LOCATIONS.
3. SWITCHBANK 2. SEE 1/E-0.2.
4. CONNECTION TO BREATHABLE AIR COMPRESSOR. PROVIDE 60A/2P DISCONNECT. VERIFY LOCATION WITH OWNER/ARCHITECT. CIRCUIT AS SHOWN WITH 2#4, 1#10(G), 1" C.
5. ADDRESSABLE FIRE ALARM CONTROL PANEL TO MONITOR SPRINKLER SYSTEM AND AUTOMATICALLY CALL FIRE DEPARTMENT IN CASE OF FLOW OR ALARM. EXTEND (1) 3/4" C. FROM PANEL TO BUILDING TELEPHONE BACKBOARD FOR PHONE LINE. CIRCUIT FACP TO ES-2. SILENT KNIGHT, FIRELITE, OR EQUAL PREAPPROVED BY OWNER.
6. STRAIGHT BLADE CEILING OR STRUCTURE MOUNTED OUTLET. OWNER SHALL PROVIDE EXTENSION CORDS FOR CONNECTION TO FIRE TRUCK. CIRCUIT AS SHOWN. TYPICAL ALL OUTLETS SHOWN IN APPARATUS BAY.
7. MOTOR FOR ROLL UP DOOR. WIRE WITH ALL #12S IN 3/4" C. CIRCUIT AS SHOWN. ROLL UP DOOR TO BE NORMALLY CONTROLLED BY RHX OPERATOR IN SWITCHBANK 2. SEE 1/E-0.2. CONTRACTOR SHALL PROVIDE RELAY TIED TO FIRE ALARM SYSTEM TO OPEN DOOR UPON ACTIVATION OF ALARM. COORDINATE CONNECTION TO MOTOR CONTROLS WITH MANUFACTURER. CONTRACTOR SHALL TEST SYSTEM TO ENSURE THAT ALL DOORS ARE PROPERLY CONTROLLED BY FIRE ALARM, AND CAN RETURN TO NORMAL CONTROLS AFTER FIRE ALARM IS TURNED OFF. TYPICAL ALL MOTORS SHOWN IN APPARATUS BAY.
8. PROVIDE JUNCTION BOX AND 3/4" C. WITH PULL STRING FOR SECURITY CAMERA. STUB CONDUIT TO A LOCATION WITHIN BUNKER SPECIFIED BY SECURITY CONSULTANT AND VERIFY ADDITIONAL REQUIREMENTS. CAMERA AND WIRING INSTALLED BY OTHERS.
9. PROVIDE JUNCTION BOX FOR CARD READER. CONNECTED TO ELECTRIC DOOR STRIKE. CIRCUIT TO EB2-7. PROVIDE CONDUIT FOR ANY LOW VOLTAGE WIRE AS REQUIRED BY SECURITY CONSULTANT. VERIFY ADDITIONAL REQUIREMENTS. CARD READER AND LV WIRING INSTALLED BY OTHERS.
10. PROVIDE JUNCTION BOX FOR SPECIALTY CARD READER WITH BUZZER AND CAMERA TIED TO SECURITY SYSTEM IN 911 CENTER. CONNECTED TO ELECTRIC DOOR STRIKE. CIRCUIT TO EB2-7. PROVIDE CONDUIT FOR ANY LOW VOLTAGE WIRE AS REQUIRED BY SECURITY CONSULTANT. VERIFY ADDITIONAL REQUIREMENTS. CARD READER AND LV WIRING INSTALLED BY OTHERS.
11. BACKBOX FOR SPEAKER/BUZZER PROVIDED BY LOW VOLTAGE CONTRACTOR. EC TO PROVIDE CONDUIT WITH PULL STRING TO A LOCATION WITHIN BUNKER SPECIFIED BY OWNER. TYPICAL ALL SLEEPING QUARTERS.
12. MONITORS, SPEAKERS, AND CONTROL PAD FOR FRONT DOOR AND DRIVEWAY GATE REMOTE OPERATION. SYSTEM TO BE TIED TO SPECIALTY CARD READERS WITH CAMERAS AND BUZZERS AT NOTED LOCATIONS. SEE SITE PLAN FOR DRIVEWAY GATE DETAILS. CONTRACTOR TO PROVIDE POWER FOR SYSTEM AS SHOWN, AND ALL REQUIRED CONDUIT TO FRONT DOOR AND DRIVEWAY GATE. VERIFY MOUNTING HEIGHT, EXACT LOCATION AND ANY ADDITIONAL REQUIREMENTS WITH OWNER AND SECURITY CONSULTANT PRIOR TO INSTALLATION. SYSTEM AND LV WIRING BY OTHERS.
13. DEDICATED 208V OUTLET FOR FUTURE AIR COMPRESSOR. VERIFY MODEL AND REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION. CIRCUIT TO G-20.24.
14. CEILING MOUNTED WIFI BOOSTER AND SPEAKER. ROUTE 3/4" C. WITH PULL STRING FROM BOOSTER LOCATION TO A WIFI BOOSTER WITHIN BUNKER, AND ROUTE 3/4" C. WITH PULL STRING FROM SPEAKER TO A LOCATION WITHIN BUNKER SPECIFIED BY OWNER. IF REQUIRED, CONTRACTOR TO ALSO PROVIDE CEILING PENETRATIONS AND BACKBOXES. COORDINATE REQUIREMENTS WITH OWNER. WIRING, WIFI BOOSTER, AND SPEAKER TO BE PROVIDED BY OTHERS.
15. WIFI BOOSTER AND SPEAKER MOUNTED ON STRUCTURE. ROUTE 3/4" C. WITH PULL STRING FROM BOOSTER LOCATION TO A WIFI BOOSTER WITHIN BUNKER, AND ROUTE 3/4" C. WITH PULL STRING FROM SPEAKER TO A LOCATION WITHIN BUNKER SPECIFIED BY OWNER. COORDINATE REQUIREMENTS WITH OWNER. WIRING, WIFI BOOSTER, AND SPEAKER TO BE PROVIDED BY OTHERS.
16. PROVIDE JUNCTION BOX AND 3/4" C. WITH PULL STRING FOR 180 DEGREE SECURITY CAMERA. STUB CONDUIT TO A LOCATION SPECIFIED BY SECURITY CONSULTANT AND VERIFY ADDITIONAL REQUIREMENTS. CAMERA AND WIRING INSTALLED BY OTHERS.
17. DEDICATED OUTLET FOR FUTURE TURN OUT DRYER. CIRCUIT TO G-24.
18. DEDICATED OUTLET FOR RADIO TOWER EQUIPMENT. VERIFY LOCATION AND REQUIREMENTS WITH COMMUNICATIONS CONSULTANT PRIOR TO INSTALLATION. CIRCUIT TO EB2-36.
19. DEDICATED QUAD FOR CALL CENTER STATION WITH UPS POWER. VERIFY LOCATION WITH EQUIPMENT SUPPLIER AND CIRCUIT AS LABELED.
20. CUSTOM MEETING TABLE TO HAVE A TOTAL OF (16) DATA AND (16) POWER CONNECTIONS. CONTRACTOR TO CUT HOLE IN FLOOR SYSTEM LARGE ENOUGH FOR LOW VOLTAGE CONSULTANT TO ROUTE DATA WIRE TO EACH CONNECTION. PROVIDE FLOOR BOXES FOR POWER AND ROUTE WHIPS TO EACH CONNECTION. TABLE TO HAVE (4) CIRCUITS AS LABELED. EACH CIRCUIT TO HAVE A MAXIMUM OF (4) OUTLETS. VERIFY REQUIREMENTS AND PROVISIONS. EQUIPMENT SUPPLIER.
21. CEILING MOUNTED WIFI BOOSTER. ROUTE 3/4" C. WITH PULL STRING TO A POINT BELOW FLOOR SYSTEM. COORDINATE REQUIREMENTS WITH OWNER. WIRING AND WIFI BOOSTER TO BE PROVIDED BY OTHERS.
22. FLOOR BOX FOR PODIUM CONNECTION. CENTER ON MIDDLE SCREEN. CIRCUIT TO EB2-38. CONTRACTOR TO CUT HOLE IN FLOOR SYSTEM LARGE ENOUGH FOR LOW VOLTAGE CONSULTANT TO ROUTE DATA AND CABLE WIRE TO PODIUM CONNECTIONS.
23. CENTER FLOOR BOXES BETWEEN TABLES. TYPICAL ALL TRAINING ROOM FLOOR BOXES.
24. SERVER ROOM DESIGN IS NOT FINAL. PRIOR TO INSTALLATION, VERIFY ALL REQUIREMENTS WITH LOW VOLTAGE CONSULTANT.
25. DEDICATED ACT OUTLET FOR MICROWAVE.
26. PROVIDE JUNCTION BOX FOR SPECIALTY CARD READER TO OPEN APPARATUS BAY DOORS. TO BE CONNECTED TO DOOR CONTROLS. CIRCUIT TO EB2-7 AND PROVIDE CONDUIT STUB FROM J-BOX TO STRUCTURE NEXT TO DOOR CONTROLS. PROVIDE ADDITIONAL CONDUIT FOR ANY LOW VOLTAGE WIRE AS REQUIRED BY SECURITY CONSULTANT. VERIFY ADDITIONAL REQUIREMENTS. CARD READER AND LV WIRING INSTALLED BY OTHERS.
27. DO NOT INSTALL TV OUTLETS AND CONNECTIONS. ALL LOCATION HAS BEEN VERIFIED WITH OWNER. COORDINATE LOCATION WITH PROJECTOR SCREENS IF APPLICABLE.
28. INSTALL DEDICATED JUNCTION BOX WITH BLANK FACEPLATE NEXT TO OUTLET. ROUTE (3) 1" C. FROM J-BOX IN WALL UP TO CEILING. PROVIDE CONDUIT STUB FOR FUTURE RADIOS.
29. THIS AREA TO BE PRICED AS AD-ALTERNATE (INCLUDES LIVING, KITCHEN, TRAINING, AND SLEEPING QUARTERS). VERIFY AREA WITH ARCHITECTURAL PLANS.



1 POWER AND DATA PLAN - ELECTRICAL
 E1.1 SCALE: 3/32" = 1'-0"



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POWER AND DATA PLAN - ELECTRICAL

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TITLE:	PROJECT:
ISSUE:	REVISIONS:

SEAL



DRAWN BY/ CHECKED BY:	DATE:
IJC/SWL	4.19.2017

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1517	E-1.1